

CLAIMS

1. A leather coated with a fluorine-containing resin coating  
2 composition, which has an outermost layer of a fluorine-containing resin  
3 coating film, in which in stain removing test according to JIS L 0805, a  
4 grey scale is grade 4 or more and in ethanol resistance test according to  
5 JIS K 6547 by using a clock meter type friction tester, an area of  
6 chipped-off fluorine-containing coating film is 50 % or less.

1. 2. The leather coated with a fluorine-containing resin coating  
2 composition of Claim 1, wherein in said stain removing test, a stain is  
3 marked with a rouge, the stain is allowed to stand for 30 minutes and a  
4 neutral detergent is used as a stain removing agent.

1. 3. The leather coated with a fluorine-containing resin coating  
2 composition of Claim 1, wherein in the cold resistance test in which the  
3 leather is allowed to stand at -5°C for 24 hours and folded with its  
4 coated surface being faced outward, a cracking does not arise on the  
5 fluorine-containing resin coating film.

1. 4. The leather coated with a fluorine-containing resin coating  
2 composition of any of Claims 1 to 3, wherein in a flexing fatigue  
3 resistance test which is carried out by bending the coated leather 30,000  
4 times by using a flexometer described in JIS K 6545, a cracking does not  
5 arise on the fluorine-containing resin coating film.

1. 5. The leather coated with a fluorine-containing resin coating

*Sub A* 2 composition of any of Claims 1 to 4, which has the fluorine-containing resin coating film of 2 g/m<sup>2</sup>.

*Sub A* 3 6. The leather coated with a fluorine-containing resin coating composition of any of Claims 1 to 5, wherein the fluorine-containing resin coating film is formed by curing a curable fluorine-containing resin coating composition comprising a fluorine-containing resin having a reactive curable group and a curing agent.

*Sub B* 1 7. The leather coated with a fluorine-containing resin coating composition of Claim 6, wherein the reactive curable group is at least one of hydroxyl group, amino group, epoxy group, carboxyl group, mercapto group, hydrolyzable silyl group, amido bond, urethane bond and urea bond.

*Sub C* 1 8. The leather coated with a fluorine-containing resin coating composition of Claim 6, wherein the reactive curable group is hydroxyl group.

1 9. The leather coated with a fluorine-containing resin coating  
2 composition of Claim 8, wherein a hydroxyl value of the fluorine-  
3 containing resin having hydroxyl group is not more than 200 mgKOH/g.

*Sub A* 2 1 10. The leather coated with a fluorine-containing resin  
2 coating composition of any of Claims 6 to 9, wherein the fluorine-  
3 containing resin is a polymer having at least one of  
4 chlorotrifluoroethylene unit, tetrafluoroethylene unit, trifluoroethylene

5 unit, hexafluoropropylene unit, vinylidene fluoride unit and vinyl  
6 fluoride unit.

*Subj  
Acrylic*  
11. The leather coated with a fluorine-containing resin  
2 coating composition of any of Claims 6 to 10, wherein the curing agent is  
3 an isocyanate compound, amino resin, acid anhydride, polysilane  
4 compound, polyepoxy compound or silane compound having isocyanate  
5 group.

12. The leather coated with a fluorine-containing resin  
2 coating composition of any of Claims 1 to 11, wherein the fluorine-  
3 containing resin coating film is formed directly on the leather.

13. The leather coated with a fluorine-containing resin  
2 coating composition of any of Claims 1 to 11, wherein a primer layer is  
3 formed between the leather and the fluorine-containing resin coating  
4 film.

*Subj*  
14. The leather coated with a fluorine-containing resin  
2 coating composition of Claim 13, wherein the primer layer is a non-  
3 fluorine-containing coating film comprising an acrylic resin, methacrylic  
4 resin, urethane resin, acrylonitrile resin, butadiene resin, styrene resin,  
5 vinyl chloride resin, vinylidene chloride resin, vinyl acetate resin or a  
6 mixture of two or more thereof.

*Subj 3*  
15. A method of producing the leather coated with the  
2 fluorine-containing resin coating composition of any of Claims 1 to 5,

*Sub A* 31 which comprises coating the curable fluorine-containing resin coating  
4 composition of any of Claims 6 to 11 on the leather surface directly or  
5 through a primer layer, and curing.

*Sub C* 16. The production method of Claim 15, wherein the  
2 fluorine-containing resin coating composition is coated on the leather  
3 directly without forming a primer layer between the leather and the  
4 coating film of the resin coating composition.

*Sub D* 17. The production method of Claim 15, wherein the  
2 fluorine-containing resin coating composition is coated after coating the  
3 primer layer on the leather.

*Sub E* 18. The production method of Claim 17, wherein the primer  
2 layer is the non-fluorine-containing coating film of Claim 14.

*Sub F* 19. The leather coated with a fluorine-containing resin  
2 coating composition of any of Claims 1 to 14, which is used for interior  
3 goods of building, interior goods of vehicles, furniture, shoes, bags,  
4 clothes and small leather articles.